

[ABSTRACT]

The present invention relates to a Tryptophan-producing *E.coli* mutant strain CJ285 (KCCM-10534) containing single or multi mutant genes related with Tryptophan biosynthesis and production method of Tryptophan using the same. More particularly, DNA base sequences and amino acid sequences *aroF*, *aroG*, *trpR*, and *tyrR* originated from tryptophan producing *E.coli* mutant strain CJ285 (KCCM-10534) and related with Tryptophan biosynthesis, are disclosed, and *E.coli* CJ285 containing at least one of the mutant genes is cultivated directly in a glucose-containing fermentation medium, whereby L-tryptophan can be accumulated in the culture medium.